JAPANESE [JP,2000-095663,A]

CLAIMS DETAILED DESCRIPTION TECHNICAL FIELD PRIOR ART EFFECT OF THE INVENTION TECHNICAL PROBLEM MEANS EXAMPLE

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CLAIMS

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[Claim(s)]
[Claim 1] Alto cull pass ********** (Artocarpus lakoocha Roxb.), ****** blas ******** (Streblus asper Lour.) ******** Balsa ******** (Blumea balsamifera DC.), Pull share Indica (Pluchea indica (L.) Less.), ********** Indica (Coccinia indica Wight & Arnott), ********** ********** (Coccinia grandis Voight), Grotesque ****** ******** (Gloriosa superba L.), Helicopter ********** Indie cam (Heliotropium indicum R.Br.), Hibiscus Sub ******** (Hibiscus sabdariffa L.), ******** ********** (Mammea siamensis Kosterm.), ******** Pretty paca (Michelia champaca L.), ****** ********** (Murraya paniculata Jack), ********** ********** (Mitragyna speciosa (Korth.) Havil.), Morin ********** (Morinda citrifolia L.), run ****** ********** (Randia siamensis Craib.) and ******** ********** (Solanum trilosatum L.) **** -- whitening agent which contains a kind of the extract of the vegetation chosen, or two sorts or more as an active principle
[Claim 2] The medicine for external application characterized by containing a whitening agent according to claim 1.
[Claim 3] The medicine for external application according to claim 2 which the loadings of a whitening agent convert into the xeransis solid content of a vegetable extract, and is characterized by being 0.0005 - 5 % of the weight.
[Claim 4] Alto cull pass ********** (Artocarpus lakoocha Roxb.), ****** blas ******** (Streblus asper Lour.), ******** Balsa ******** (Blumea balsamifera DC.), Pull share Indica (Pluchea indica (L.) Less.), ********** Indica (Coccinia indica Wight & Arnott), ********** ********** (Coccinia grandis Voight), Grotesque ****** ******** (Gloriosa superba L.), Helicopter ********** Indie cam (Heliotropium indicum R.Br.), Hibiscus Sub ******** (Hibiscus sabdariffa L.), ******** ********** (Mammea siamensis Kosterm.), ******** Pretty paca (Michelia champaca L.), ****** ********** (Murraya paniculata Jack), ********** ********** (Mitragyna speciosa (Korth.) Havil.), ******** ********** (Morinda citrifolia L.), Run ****** ********** (Randiasiamensis Craib.), ******** ********** (Solanum trilosatum L.), ********** Morris (Diospyros mollis Griff.), ********** ****** (Elephantopus scber L.), ****** ******** (Mesua ferrea L.), micro ****** ******** (Micromelum minutum Seem.), Orthochromatic chiffon ********** (Orthosiphon stamineus) and ******** A kind of the extract of the vegetation chosen out of viola ****** (Solanum violaceum Ortega) or two sorts or more are made into an active principle. The active oxygen deletion agent to contain.
[Claim 5] The medicine for external application characterized by containing an active oxygen deletion agent according to claim 4.
[Claim 6] The medicine for external application according to claim 5 to which the content of an active oxygen deletion agent converts into the xeransis solid content of a vegetable extract, and is characterized by being 0.0005 - 5 % of the weight.
[Claim 7] Alto cull pass ********** (Artocarpus lakoocha Roxb.), ****** blas ******** (Streblus asper Lour.), ******** Balsa ******** (Blumea balsammifera DC.), Pull share Indica (Pluchea indica (L.) Less.), ********** Indica (Coccinia indica Wight & Arnott), ********** ********** (Coccinia grandis Voight), Grotesque ****** ******** (Gloriosa superba L.), Helicopter ********** Indie cam (Heliotropiumindicum R.Br.), Hibiscus Sub ******** (Hibiscus sabdariffa L.), ******** ********** (Mammea siamensis Kosterm.), ******** Pretty paca (Michelia champaca L.), Micro ****** ******** (Micromelum minutum Seem.), ****** ********** (Murraya paniculata Jack), ********** ********** (Mitragyna specisa (Korth.) Havil.), ******** ********** (Morinda citrifolia L.), Run ****** ********** (Randia siamensis Craib.), Orthochromatic chiffon ********** (Orthosiphon stamineus), ******** ********** (Solanum trilosatum L.) and ******** Antibacterial agent which contains a kind of the extract of the vegetation chosen out of viola ****** (Solanumviolaceum Ortega), or two sorts or more as an active principle.
[Claim 8] The medicine for external application characterized by containing an antibacterial agent according to claim 7.
[Claim 9] The medicine for external application according to claim 8 the content of an antibacterial agent converts into the xeransis solid content of a vegetable extract, and is [ medicine for external application ] 0.0005 - 5 % of the weight.

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Effect

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[Effect of the Invention] Like the above, it has melanin generation depressant action and the tyrosinase activity inhibitor operation, a high depressor effect is demonstrated to a pigmentation, the skin is somber, and the medicine for external application containing the whitening agent of this invention and this is effective in prevention, an improvement, etc. of the melanism of the skin by Japanese desperation etc., a silverfish, and buckwheat dregs.
[0151] moreover, the thing which has a very high improvement and the prevention effect to generation of the peroxylipid which the medicine for external application containing the active oxygen deletion agent of this invention and this excels [ peroxylipid ] in active oxygen deletion capacity, namely, originates in active oxygen generation in a skin skin front face and the skin, the inflammation of the skin, a melanism, and a degraded phenomenon -- it is -- in addition -- and very useful [ in / cosmetics or the medicine / excel also in the safety to the skin and ]
[0152] Furthermore, the medicines for external application which have the antibacterial action which the antibacterial agent of this invention was safe for, and was excellent, and blended this, such as a charge of makeup and a unregulated drug, are effective in prevention, an improvement, etc. of a skin trouble which growth of microorganisms, such as bacteria, is not seen, but are excellent in an antibacterial effect, and originate in a microorganism.
with -- Top

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DETAILED DESCRIPTION

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[Detailed Description of the Invention]
[0001]
[The technical field to which invention belongs] this invention relates to the medicine for external application containing the whitening agent, the active oxygen deletion agent, the antibacterial agent, and these which make the extract from specific vegetation an active principle. still in detail Generation of melanin is suppressed. ** To the prevention and improvement of a pigmentation, a stain, a freckle, etc. after suntan [ useful ] Generation of peroxylipid and inflammation of the skin resulting from occurrence of the active oxygen within the whitening agent which has the outstanding **** effect, ** skin front face, and the skin, the active oxygen deletion agent which has the outstanding skin aging prevention effect that a melanism, aging, etc. can be prevented, the surface-deterioration improvement effect, etc., and ** -- a high antibacterial action is shown and it is related with the medicine for external application which blended the antibacterial high agent and these high of safety which have the outstanding antisepsis effect which can suppress bacteria propagation in a product
[0002]
[Description of the Prior Art] Conventionally, in order to prevent the phenomenon of the melanism of the skin produced by suntan etc., the silverfish produced by the pigmentation, buckwheat dregs, etc., the calamine, ascorbic acids, a glutathione, colloid sulfur, hydroquinone, a placenta extract, etc. are blended with skin medicines for external application, such as a milky lotion, a cream, face toilet, a pack, a charge of washing, foundation, distributed liquid, and the salve, as a whitening agent. However, in these whitening agents, the **** effect carried out deteriorating not being enough **** or in a tablet etc., expected **** was not obtained in many cases, and offer of a compound which has the more excellent property was desired.
[0003] Moreover, active oxygen deletion agents, such as a superoxide ****** mutase and a mannitol, may be added to the above-mentioned skin medicine for external application for the purpose of preventing generation of peroxylipid, the inflammation of the skin, a melanism, and aging. Although the bad influence of the active oxygen to a living body is regarded as questionable as one of the causes of skin aging in recent years, it is known by active oxygen that there are a singlet oxygen, a hydroxy radical, a hydrogen peroxide, a super oxide, etc. Doing failure to a lipid, a nucleic acid, protein, and an enzyme is known, a store of the failure of these active oxygen causes a fall of a living body function, and these serve as the cause of a degraded phenomenon. Moreover, have also been died and connected [ various illnesses or ] by too much failure by these. For this reason, in order to prevent such failure, active oxygen deletion agents more various than the former are developed. Moreover, although asked for the development of the active oxygen deletion agent which has a high effect the biophylaxis and for the purpose of aging prevention, when the application to a living organism is taken into consideration, you must be what can be enough satisfied not only from the effect but from the viewpoint of safety. therefore, the outstanding active oxygen deletion effect -- having -- in addition -- and it excelled also in the safety to the skin, and even if it faced the application to a living body, the suitable development of a new **** component was desired

[0004] Furthermore, various antibacterial agents, such as vegetable extracts, such as a para oxy-benzoic-acid derivative, a benzalkonium chloride, triclosan, an isopropyl methyl phenol, Mulberry bark extarct, a liquorice extract, and an aloe extract, are conventionally blended with medicines for external application, such as a milky lotion, a cream, face toilet, a pack, a charge of washing, foundation, a lip stick, a shampoo rinse, and a conditioner, by the purpose of suppressing antisepsis of a product and propagation of the bacteria leading to ****** or a dandruff. However, even if these antibacterial agents had some by which there is a problem in respect of safety and the limit is prepared in the loadings to a medicine for external application and there was no problem in a safety side like a vegetable extract, they had many which have an antibacterial low effect. Therefore, the development of the **** component for which both a safety and an effect have antibacterial [ high ] was desired.
[0005]
[Problem(s) to be Solved by the Invention] Therefore, the technical probrem of this invention is offering the medicine for external application containing the new **** component and this which have the property which lost the fault of a compound which has the conventional of-the-same-kind effect, and was excellent as a whitening agent, an active oxygen deletion agent, or an antibacterial agent.
[0006]
[Means for Solving the Problem] That the above-mentioned technical probrem should be solved, about the various matter which exists naturally, the extract from specific vegetation found out having high melanin generation depressant action, the active oxygen deletion operation, and/or the antibacterial action, and this invention persons completed this invention, as a result of examining the medicinal action widely.
[0007] That is, this invention is an alto cull pass. ********** (Artocarpus lakoocha Roxb.), ****** blas ******** (Streblus asper Lour.), ******** Balsa ******** (Blumea balsamifera DC.), Pull share Indica (Pluchea indica (L.) Less.), ********** Indica (Coccinia indica Wight & Arnott), ********** ************ (Coccinia grandis Voight), Grotesque ****** ******** (Gloriosa superba L.), Helicopter ************ Indie cam (Heliotropium indicum R.Br.), Hibiscus Sub ******** (Hibiscus sabdariffa L.), ******** ************ (Mammea siamensis Kosterm.), ******** Pretty paca (Michelia champaca L.), ****** ********** (Murraya paniculata Jack), ********** ********** (Mitragyna speciosa (Korth.) Havil.), Morin ********** (Morinda citrifolia L.), run ****** ************ (Randia siamensis Craib.) and ******** ************ (Solanum trilosatum L.) **** -- the whitening agent and this which make an active principle a kind of the extract of the vegetation chosen, or two sorts or more The medicine for external application to contain is offered.
[0008] moreover, this invention -- alto cull pass ********** and ****** blas ******** ******** Balsa ********, pull share Indica, ********** Indica, ********** ************, grotesque ****** ********, helicopter ************ Indie cam, Hibiscus Sub ********, ******** ************, ******** Pretty paca, ****** **********, ********** **********, ******** **********, Run ****** ************, ******** ************, ************ Morris (Diospyros mollis Griff.), ********** ****** (Elephantopus scber L.), ****** ******** (Mesua ferrea L.), micro ****** ******** (Micromelumminutum Seem.), Orthochromatic chiffon ************ (Orthosiphon stamineus) and ******** A kind of the extract of the vegetation chosen out of viola ****** (Solanum violaceum Ortega), or two sorts or more The medicine for external application containing the active oxygen deletion agent and this which are made into an active principle is offered.
[0009] Furthermore, this invention is an alto cull pass. **********, ****** blas ********, ******** Balsa ********, pull share Indica, ********** Indica, ********** ************, grotesque ****** ********, helicopter ************ Indie cam, Hibiscus Sub ********, ******** ************, ******** Pretty paca, Micro ****** ********, ****** **********, ********** **********, ******** **********, run ****** ************, orthochromatic chiffon ************, ******** ************ and ******** The medicine for external application containing the antibacterial agent and this which make an active principle a kind of the extract of the vegetation chosen out of viola ****** or two sorts or more is offered.
[0010]

[Embodiments of the Invention] Each vegetation used for this invention is vegetation seen in the Southeast Asia areas, such as a tie and India. Specifically, the following vegetation is mentioned.
[0011] (1) Moraceae (Moraceae) alto cull pass ********** (Artocarpus lakoochaRoxb.)
(2) Moraceae (Moraceae) ****** blas ******** (Streblus asper Lour.)
(3) Compositae (Compositae) ******** Balsa ******** (Blumea balsamifera DC.)
(4) Compositae (Compositae) pull share Indica (Pluchea indica (L.) Less.)
(5) Cucurbitaceae (Cucurbitaceae) ********** Indica (Coccinia indica Wight & Arnott)
(6) Cucurbitaceae (Cucurbitaceae) ********** ********** (Coccinia grandisVoight)
(7) Liliaceae (Liliaceae) grotesque ****** ******** (Gloriosa superba L.)
(8) Boraginaceae (Boraginaceae) helicopter ********** Indie cam (Helio-tropium indicum R.Br.)
(9) Malvaceae (Malvaceae) hibiscus Sub ******** (Hibiscus sabdari-ffa L.)
(10) Guttiferae (Guttiferae) ******** ********** (Mammea sia-mensis Kosterm.)
(11) Magnoliaceae (Magnoliaceae) ******** Pretty paca (Michelia champacaL.)
(12) Rutaceae (Rutaceae) ****** ********** (Murraya paniculata Jack)
(13) Rubiaceae (Rubiaceae) ********** ********** (Mitragyna speciosa (Korth.) Havil.(14) Rubiaceae (Rubiaceae) ******** ********** (Morinda citrifoliaL.))
(15) Rubiaceae (Rubiaceae) run ****** ********** (Randia siamensisCraib.)
(16) Solanaceae (Solanaceae) ******** ********** (Solanum trilosatumL.)
(17) Ebenaceae (Ebenaceae) ********** Morris (Diospyros mollisGriff.) (18) Compositae (Compositae) ********** ****** (Elephantopus scberL.)
(19) Guttiferae (Guttiferae) ****** ******** (Mesua ferrea L.) (20) Rutaceae (Rutaceae) micro ****** ******** (Micromelum minutumSeem.) (21) Lamiaceae (Labiatae) Orthochromatic chiffon ********** (Orthosiphon sta-mineus) (22) Solanaceae (Solanaceae) ******** Viola ****** (Solanum violaceumOrtega) [0012] In this invention, the vegetable extract used as an active principle is prepared by extracting from the sheet / branch and the trunk / bark / bloom / fruits / roots, or those dry matters of the above-mentioned vegetation using a suitable extracting solvent. although especially the extraction method is not limited -- for example, the above-mentioned vegetation -- suitable various solvents -- using -- low temperature or a room temperature, - warming -- the technique of extracting in the bottom is mentioned
[0013] as an extracting solvent, water; methyl alcohol, ethyl alcohol, etc. are low-grade, for example -- one sort, such as liquefied polyhydric alcohol, such as monohydric alcohol; glycerol, propylene-glycol, 1, and 3-butylene glycol, or two sorts or more can be used It filters, after performing an extraction for one - five days at a room temperature, using ethyl alcohol [ of 0 - 80% of water concentration (v/v) ] or 1, and 3-butylene glycol as an example of the desirable extraction technique, and the obtained filtrate is left about one more week, and is ripened, and the method of filtering again is mentioned.
[0014] The whitening agent of this invention is prepared by combining with suitable cosmetics or the support for physic the extract carried out and obtained like the above about the vegetation of aforementioned (1) - (16) after refining or dilution according to remaining as it is or the need.
[0015] Moreover, the active oxygen deletion agent of this invention is also prepared by combining with suitable cosmetics or the support for physic the extract carried out and obtained like the above about the vegetation of aforementioned (1) - (22) after refining or dilution according to remaining as it is or the need.
[0016] Furthermore, the antibacterial agent of this invention is prepared by combining with suitable cosmetics or the support for physic the extract carried out and obtained like the above about the vegetation of aforementioned (1) - (16) and (20) - (22) after refining or dilution according to remaining as it is or the need.
[0017] When blending with a medicine for external application the whitening agent of this invention obtained as mentioned above, especially the gestalt is not limited but can carry out optimum-dose combination to the suitable pharmaceutical form which is easy to apply externally. As a pharmaceutical form which is easy to apply externally, skin medicines for external application, such as external application drug, such as the charges of skin care makeup, such as a milky lotion, a cream, face toilet, a

pack, and a charge of washing, a charge of makeup makeup, distributed liquid, and the salve, can be mentioned, for example.
[0018] Moreover, when blending the active oxygen deletion agent of this invention with a medicine for external application, the gestalt is not limited especially, either but can carry out optimum-dose combination to the suitable pharmaceutical form which is easy to apply externally. As a pharmaceutical form which is easy to apply externally, skin medicines for external application, such as the charges of makeup, such as a milky lotion, a cream, face toilet, a pack, a charge of washing, a charge of makeup makeup, distributed liquid, and the salve, and the external application drug, can be mentioned, for example.
[0019] Furthermore, when blending the antibacterial agent of this invention with a medicine for external application, especially the gestalt is not limited but can carry out optimum-dose combination to the suitable pharmaceutical form which is easy to apply externally. As a pharmaceutical form which is easy to apply externally, medicines for external application, such as unregulated drugs, such as charges of hair makeup, such as the charges of makeup makeup, such as the charges of skin care makeup, such as toiletries products, such as disinfection liquid, a deodorization agent, an antiperspirant, a bath agent, gear-tooth polishing, and mouthwash, and a milky lotion, a cream, face toilet, a pack, a charge of washing, foundation, a substratum, eye shadow, and a lip stick, a hair growth stimulant, a hair tonic, a shampoo, a rinse, and
[0020] The component usually used for the medicine for external application of this invention at medicines for external application, such as cosmetics and the external application drug, according to the gestalt in addition to each above-mentioned medicine, For example, an antibacterial agent, a purified water, a lower alcohol, polyhydric alcohol, an oily component, Fine particles, a surfactant, a thickener, color material, antiseptics, a **** agent, an antioxidant, an antiphlogistic, Cosmetics components, such as an ultraviolet ray absorbent, vitamins, amino acid, an astringent, a cell activator, a whitening agent, another penetration-enhancer and vegetable extract, or an animal extract, perfume, etc. can be blended in the domain which does not spoil the effect of this invention.
[0021] Moreover, as a xeransis solid content of a vegetable extract, the loadings of each above-mentioned medicine in the medicine for external application of this invention are 0.0005 - 5 % of the weight ("%" only shows below) preferably, and are 0.002 - 2% more preferably. If it is this within the limits, the vegetable extract which is the active principle of each medicine can be blended stably, and the high **** effect, the active oxygen deletion effect, or an antibacterial effect can be exhibited. Moreover, if the content of the xeransis solid content which is a solute is above-mentioned within the limits when using an extract, the extract concentration will not be limited at all.
[0022]
[Example] Next, although the example of reference, the example of an examination, and an example are given and this invention is explained still in detail, this invention is not restrained at all by these.
[0023] Fruit ** Example Ethyl alcohol of 50% of water concentration (v/v) 100ml was added to 10g of the dry matters of each vegetation of 1 vegetable extract (whitening agent) given in the manufacture:table 1, after performing an extraction for three days at a room temperature, it filtered, and each vegetable extract was obtained, and it considered as this invention whitening agent. The result of the xeransis solid content of these extracts and the after-mentioned tyrosinase activity prevention examination was united with Table 1, and was indicated.
[0024]
[Table 1]

| 美白剤 | | 乾燥固形分 (%) | チロシナーゼ活性阻害 (%) 試料添加量 (ml) | | |
|---|---|---|---|---|---|
| | | | 0.01 | 0.05 | 0.1 |
| 本発明品 | アルトカルパス ラクーチャ抽出物＊1 | 4.1 | 30.3 | 77.4 | 94.5 |
| | ストレプラス アスパー抽出物＊1 | 1.2 | 45.1 | 88.0 | 97.5 |
| | ブルメア パルサミフェラ抽出物＊1 | 2.0 | 23.4 | 50.9 | 80.3 |
| | ブルシェア インディカ抽出物＊1 | 3.4 | 42.1 | 77.7 | 92.6 |
| | コクシニア インディカ抽出物＊1 | 1.8 | 15.2 | 50.8 | 86.3 |
| | コクシニア グランディス抽出物＊1 | 1.8 | 17.7 | 45.5 | 90.9 |
| | グロリオサ スペルバ抽出物＊1 | 2.2 | 42.0 | 76.2 | 95.4 |
| | ヘリオトロピウム インディカム抽出物＊1 | 2.7 | 39.4 | 68.3 | 89.2 |
| | ハイビスカス サブダリファ抽出物＊1 | 3.7 | 29.0 | 54.4 | 84.0 |
| | マンメア シアメンシス抽出物＊1 | 2.3 | 34.9 | 60.6 | 91.7 |
| | ミケリア シャンパカ抽出物＊1 | 3.3 | 25.8 | 56.1 | 85.1 |
| | ムラヤ パニクラタ抽出物＊1 | 2.8 | 27.4 | 44.7 | 81.9 |
| | ミトラギナ スペシオサ抽出物＊1 | 2.3 | 43.5 | 75.3 | 98.5 |
| | モリンダ シトリフォリア抽出物＊1 | 4.8 | 19.2 | 53.6 | 82.2 |
| | ランディア シアメンシス抽出物＊1 | 2.1 | 33.3 | 58.0 | 85.7 |
| | ソラヌム トリロサツム抽出物＊1 | 2.9 | 27.9 | 57.1 | 92.8 |
| 比較品 | ソウハクヒ抽出物＊2 | 1.8 | 15.1 | 36.8 | 56.5 |

＊1 実施例1で製造したもの
＊2 参考例1で製造したもの

[0025] 3 [ ] ** Example Ethyl alcohol of 50% of water concentration (v/v) 100ml was added to manufacture:Mulberry bark [ of 1 Mulberry bark extarct and a sophorae radix extract ] (day office), and sophorae radix (day office) 10g each, after performing an extraction for three days at a room temperature, it filtered, and Mulberry bark extarct and the sophorae radix extract were obtained. At this time, Mulberry bark extarct was [ the sophorae radix extract of the xeransis solid content ] 2.8% 1.8%.
[0026] Trial ** Example By the 1 tyrosinase activity prevention examination:following technique, the rate of tyrosinase activity prevention was investigated about each whitening agent of this invention obtained in the example 1. Moreover, the rate of tyrosinase activity prevention of the Mulberry bark extarct of the example 1 of reference in which it is known as an example of a comparison that there is already tyrosinase activity inhibitory action was investigated.
[0027] Tyrosinase activity was measured as follows. That is, first, enzyme solution [thing which melted tyrosinase 10mg of sigma company make and 28,000 units in 20ml (pH6.8) of 0.1M phosphate buffer solutions] 0.1ml was added to each sample, 0.1M phosphate buffer solution (pH6.8) was added to the pan, it was referred to as 4.0ml, and this was incubated for 10 minutes at 25 degrees C. Subsequently, you added to this substrate solution [thing which melted L-DOPA(Tokyo formation make)198.0mg in 100ml (pH6.8) of 0.1M phosphate buffer solutions] 1.0ml beforehand kept at 25 degrees C, and made it react to it for 10 minutes.
[0028] The absorbance (ODS) in 475nm was measured after the reaction. The absorbance (ODHE) at the time of making it react similarly using the aforementioned enzyme which carried out heating deactivation, and the absorbance (ODB) at the time of sample additive-free were measured, and the rate of activity prevention of tyrosinase activity was computed from the following formula. This result is shown in Table 1.
[0029]
[Equation 1]

$$\text{チロシナーゼ活性阻害率 (\%)} = \frac{OD_B - (OD_S - OD_{HE})}{OD_B} \times 100$$

ODS ; absorbance ODB at the time of sample addition ; Absorbance ODHE at the time of sample additive-free ; Absorbance at the time of enzyme inactive [0030] (Join ** ) Even if it compared the

whitening agent of this invention with known Mulberry bark extarct, it showed very high tyrosinase activity inhibitory action, so that clearly from the result of the aforementioned table 1.

[0031] Trial ** Example B16 melanoma cultured cell of the melanin generation suppression examination:mouse origin by two cell cultures was used. The seeding of the optimum dose, and ** and B16 melanoma cell is carried out to 6 hole laboratory dish of two sheets, and a culture medium is gently put on it in 37 degrees C and 5% of carbon-dioxide concentration. On the next day, analyte manufacture liquid is added and the mixing of each whitening agent obtained in the example 1 is carried out so that the last concentration may be respectively set to ml in 0 (contrast) and 1 or 10,100microg /. Culture media are exchanged on the 5 day of incubation, and analyte manufacture liquid is added again. On the next day, it collected, after washing a cell with the ****** buffer solution about the laboratory dish of one sheet except for a culture medium, and the following criteria estimated the degree of whitening of B16 melanoma cultured cell. Moreover, the examination with the same said of the sophorae radix extract of the example 1 of reference with which it is known that there is already melanin generation depressant action was performed.

[0032] (Seal a law machine ** )

+ + : It is very white to the contrast.

+ : It is clearly white to the contrast.

** : It is a little white to the contrast.

- : It is the same nigrities as a contrast.

[0033] About the remaining laboratory dish of one sheet, the cell was added and dyed 1% Crystal-Violet solution after formalin fixation. The number (A) of survival cells to each analyte concentration and the number (B) of cells of a contrast were measured from the absorbance of 550nm by mono-cell ********, and the cell survival rate was computed by the following formula. The above result is shown in Table 2.

[0034]

[Equation 2]

$$\text{細胞生存率（%）} = \frac{A}{B} \times 100$$

[0035] (Join ** )

[Table 2]

| 試料 | | 試料添加濃度（μg/ml） | 1 | 10 | 100 |
|---|---|---|---|---|---|
| 本発明美白剤 | アルトカルパス ラクーチャ抽出物＊1 | 白色化度 | ± | + | ++ |
| | | 細胞生存率（%） | 92 | 90 | 78 |
| | ストレブラス アスパー抽出物＊1 | 白色化度 | ± | ± | + |
| | | 細胞生存　（%） | 108 | 107 | 103 |
| | ブルメア パルサミフェラ抽出物＊1 | 白色化度 | − | + | ++ |
| | | 細胞生存率（%） | 115 | 122 | 104 |
| | ブルシェア インディカ抽出物＊1 | 白色化度 | − | + | + |
| | | 細胞生存率（%） | 96 | 99 | 103 |
| | コクシニア インディカ抽出物＊1 | 白色化度 | + | ++ | ++ |
| | | 細胞生存率（%） | 89 | 105 | 105 |
| | コクシニア グランディス抽出物＊1 | 白色化度 | + | ++ | ++ |
| | | 細胞生存率（%） | 93 | 114 | 116 |
| | グロリオサ スペルバ抽出物＊1 | 白色化度 | − | ± | + |
| | | 細胞生存率（%） | 100 | 102 | 83 |
| | ヘリオトロピウム インディカム抽出物＊1 | 白色化度 | ± | ± | ++ |
| | | 細胞生存率（%） | 100 | 101 | 86 |
| | ハイビスカス サブダリファ抽出物＊1 | 白色化度 | − | ± | + |
| | | 細胞生存率（%） | 96 | 94 | 99 |
| | マンメア シアメンシス抽出物＊1 | 白色化度 | ± | + | ++ |
| | | 細胞生存率（%） | 86 | 84 | 89 |
| | ミケリア シャンパカ抽出物＊1 | 白色化度 | − | + | + |
| | | 細胞生存率（%） | 100 | 104 | 103 |
| | ムラヤ パニクラタ抽出物＊1 | 白色化度 | − | ± | ++ |
| | | 細胞生存率（%） | 98 | 99 | 98 |
| | ミトラギナ スペシオサ抽出物＊1 | 白色化度 | − | ± | + |
| | | 細胞生存率（%） | 98 | 93 | 102 |
| | モリンダ シトリフォリア抽出物＊1 | 白色化度 | ± | ± | ± |
| | | 細胞生存率（%） | 100 | 95 | 80 |
| | ランディア シアメンシス抽出物＊1 | 白色化度 | ± | + | + |
| | | 細胞生存率（%） | 91 | 104 | 108 |
| | ソラヌム トリロサツム抽出物＊1 | 白色化度 | − | + | + |
| | | 細胞生存率（%） | 115 | 107 | 97 |
| 比較美白剤 | クジン抽出物＊2 | 白色化度 | − | − | + |
| | | 細胞生存率（%） | 98 | 67 | 51 |

＊1　実施例1で製造したもの
＊2　参考例1で製造したもの

[0036] Even if it compares the whitening agent of this invention with a known sophorae radix extract, it has very high melanin generation suppression ability, and that toxicity is low accepted to B16 melanoma cultured cell so that clearly from the result of Table 2. Therefore, this invention whitening agent demonstrates the melanin generation depressant action which was extremely excellent by applying this to the skin, and suppressing effectively black-izing of the skin by suntan, a silverfish, buckwheat dregs, etc. was shown.

[0037] Fruit ** Example 2 **s ** - ** : The cream was prepared by the composition and the following process which are shown in Table 3, and the **** effect was investigated. This result is shown in Table 4.

[0038] (Group ** )

[Table 3]

| 成 分 (%) | 本発明品 1~16 | 比 較 品 1 | 2 | 3 |
|---|---|---|---|---|
| (1) ミツロウ | 6.0 | 6.0 | 6.0 | 6.0 |
| (2) セタノール | 5.0 | 5.0 | 5.0 | 5.0 |
| (3) 還元ラノリン | 5.0 | 5.0 | 5.0 | 5.0 |
| (4) スクワラン | 30.0 | 30.0 | 30.0 | 30.0 |
| (5) 親油型モノステアリン酸グリセリル | 4.0 | 4.0 | 4.0 | 4.0 |
| (6) ポリオキシエチレンソルビタンモノラウレート (20E.O) | 2.0 | 2.0 | 2.0 | 2.0 |
| (7) 本発明美白剤*1 | 5.0 | — | — | — |
| (8) ソウハクヒ抽出物*2 | — | 5.0 | — | — |
| (9) リン酸-L-アスコルビルマグネシウム*3 | — | — | 0.1 | — |
| (10) 防腐剤 | 適量 | 適量 | 適量 | 適量 |
| (11) 香料 | 適量 | 適量 | 適量 | 適量 |
| (12) 精製水 | 残量 | 残量 | 残量 | 残量 |

*1 実施例1で製造したもの

*2 参考例1で製造したもの

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[0039] (Make method )
A. Component (1) - (6) and (10) are mixed and heated, and it keeps at 70 degrees C.
B. Mix and heat a component (9) and (12), and keep at 70 degrees C.
C. Add B to A, and cool after mixing.
D. Add a component (7), (8), and (11) to C, and obtain a cream.
[0040] (Method [ of trial ** ] method ) Ten 28-55 year-old [ per subject cream ] female was used as the panel, and the optimum dose of a subject cream was applied to the face after washing its face over 2 times, a morning and night, and 12 weeks every day. The following criteria estimated the **** effect by application.
[0041] (Criticism ** machine ** )
<evaluation> Inside of < ** > ** Effect ** of the skin -- finishing -- it stopped being conspicuous
A little effective The skin is somber and it is **********.
Nothing Effect He has a use front and no change.
[0042] (Join ** )
[Table 4]

| クリーム | 美白成分 | 美白効果 | | |
|---|---|---|---|---|
| | | 有効 | やや有効 | 無効 |
| 本発明品1 | アルトカルパス ラクーチャ抽出物＊1 | 9 | 1 | 0 |
| 本発明品2 | ストレプラス アスパー抽出物＊1 | 8 | 2 | 0 |
| 本発明品3 | プルメア バルサミフェラ抽出物＊1 | 9 | 1 | 0 |
| 本発明品4 | プルシェア インディカ抽出物＊1 | 7 | 2 | 1 |
| 本発明品5 | コクシニア インディカ抽出物＊1 | 9 | 0 | 1 |
| 本発明品6 | コクシニア グランディス抽出物＊1 | 10 | 0 | 0 |
| 本発明品7 | グロリオサ スペルバ抽出物＊1 | 7 | 2 | 1 |
| 本発明品8 | ヘリオトロピウム インディカム抽出物＊1 | 8 | 1 | 1 |
| 本発明品9 | ハイビスカス サブダリファ抽出物＊1 | 6 | 2 | 2 |
| 本発明品10 | マンメア シアメンシス抽出物＊1 | 8 | 1 | 1 |
| 本発明品11 | ミケリア シャンパカ抽出物＊1 | 8 | 3 | 1 |
| 本発明品12 | ムラヤ パニクラタ抽出物＊1 | 8 | 2 | 0 |
| 本発明品13 | ミトラギナ スペシオサ抽出物＊1 | 6 | 2 | 2 |
| 本発明品14 | モリンダ シトリフォリア抽出物＊1 | 5 | 3 | 2 |
| 本発明品15 | ランディア シアメンシス抽出物＊1 | 7 | 1 | 2 |
| 本発明品16 | ソラヌム トリロサツム抽出物＊1 | 7 | 3 | 0 |
| 比較品1 | ソウハクヒ抽出物＊2 | 2 | 3 | 5 |
| 比較品2 | リン酸－L－アスコルビルマグネシウム＊3 | 3 | 3 | 4 |
| 比較品3 | 美白剤なし | 0 | 2 | 8 |

＊1 実施例1で製造したもの
＊2 参考例1で製造したもの
＊3 日光ケミカルズ社製

[0043] as shown in the result of Table 4, each this invention article applies these to the skin -- "of the skin -- it was somber, and it has improved and it became clear prevention of occurrence, such as ", and to consider as the beautiful skin

[0044] Fruit ** Example Three-izing ** Water : Face toilet was prepared by prescription and the following process which are shown below.

(Method [ of place ] ) (%)

(1) A glycerol 5.0 (2) 1, 3-butylene glycol 6.5(3) polyoxyethylene (20E.O.) sorbitan 1.2 Mono-lauric-acid ester (4) ethyl alcohol 5.0(5) ****** blas ******** extract *1 40.0 (6) antiseptics Optimum-dose (7) perfume Optimum-dose (8) purified water Residue *1 What [0045] was manufactured in the example 1 (Make method )

A. Carry out the mixed lysis of a component (3), (4), (6), and (7).

B. Carry out the mixed lysis of a component (1), (2), (5), and (8).

C. Mix A and B, make it uniform and obtain face toilet.

[0046] Fruit ** Example 4 milk The milky lotion was prepared by liquid: next shown prescription, and the following process.

(Method [ of place ] ) (%)

(1) Polyoxyethylene (10E.O.) sorbitan 1.0 Monostearate (2) polyoxyethylene (60E.O.) sorbitan 0.5 Tetrapod oleate (3) glyceryl monostearate 1.0 (4) stearin acid 0.5 (5) behenyl alcohols 0.5 (6) squalane 8.0 (7) vitamin-E acetate 0.2 (8) antiseptics Optimum dose (9) **********s ********** extract *1 0.1 (10) ********s ********** extract *1 0.1 (11) ********s ********** extract *1 0.1 (12) oxybenzones 0.1 (13) phosphoric-acid-L-ascorbyl magnesium 0.1 (14) carboxyvinyl polymers 0.1 (15) sodium hydroxides 0.05 (16) ethyl alcohol 5.0 (17) purified waters Residue (18) perfume Optimum dose *1 What [0047] was manufactured in the example 1 (Make method )

A. Component (13) Heating mixture of - (17) is carried out, and it keeps at 70 degrees C.

B. Component (1) Heating mixture of - (8) and (12) is carried out, and it keeps at 70 degrees C.

C. Add A to B, mix and emulsify uniformly.

D. Add component (9) - (11) and (18) after cooling C, mix uniformly, and obtain a milky lotion.

[0048] Fruit ** Example 5 **s ** - ** : The cream was prepared by prescription and the following process which are shown below.
(Method [ of place ] ) (%)
(1) Polyoxyethylene (40E.O.) monostearate 2.0 (2) glycerol monostearate (self-emulsification type) 5.0 (3) stearin acid 5.0 (4) behenyl alcohols 0.5 (5) squalane 15.0 (6) isooctane acid cetyl 5.0 (7) Para methoxycinnamic acid octyl 5.0 (8) antiseptics Optimum dose (9) 1, 3-butylene glycol 5.0 (10) grotesque ****** ******** extract *1 1.0 (11) ********s ****** forehand extract *1 1.0 (12) purified water Residue (13) perfume Optimum dose *1 What [0049] was manufactured in the example 1 (Make method )
A. Component (1) The heating lysis of - (8) is carried out at 70 degrees C.
B. Heat a part of component (9) and (12) at 70 degrees C.
C. Add the remainder of a component (10), (11), and (12), and (13), adding A to B and cooling, and obtain a cream.
[0050] the face toilet of an example 3, the milky lotion of an example 4, and the cream of an example 5 -- each -- passing -- the time -- a stability -- excelling -- the repeat skin -- applying -- things -- "of the skin -- while it was somber and occurrence of " etc. was prevented, it was what is used as the beautiful skin which can also improve pigmentations, such as a silverfish, and has a transparent feeling
[0051] Fruit ** Example 6 **s ** ** : The pack was prepared by prescription and the following process which are shown below.
(Method [ of place ] ) (%)
(1) Polyvinyl alcohol 20.0 (2) ethyl alcohol 20.0 (3) glycerols 5.0 (4) kaolins 6.0 (5) ********s Balsa ******** extract *1 5.0 (6) antiseptics Optimum-dose (7) perfume Optimum-dose (8) purified water Residue *1 What [0052] was manufactured in the example 1 (Make method )
A. Mix a component (1), (3), (4), and (8), and heat and agitate at 70 degrees C.
B. Mix a component (2) and (6).
C. Add the above-mentioned B to previous A, cool, distribute (5) and (7) uniformly and obtain a pack, after mixing.
[0053] the pack of an example 6 being excellent in a stability with the passage of time, and applying to the repeat skin -- the texture of the skin -- preparing -- "of the skin -- while it was somber and " was prevented, it was what is used as the beautiful skin which can also improve pigmentations, such as a silverfish, and has a transparent feeling
[0054] Fruit ** Example Liquid foundation was prepared by 7 liquid foundation: next shown prescription, and the following process.
(Method [ of place ] ) (%)
(1) Lanolin 7.0 (2) liquid paraffins 5.0 (3) stearin acid 2.0 (4) cetanols 1.0 (5) glycerols 5.0 (6) triethanolamines 1.0 (7) carboxymethyl celluloses 0.7 (8) purified waters Residue (9) micas 15.0 (10) talc 6.0 (11) color pigments 6.0 (12) ********s ********** extract *1 0.5 (13) **********s Indica extract *1 1.0 (14) ********** ********** extract *1 1.0 (15) perfume Optimum dose *1 What [0055] was manufactured in the example 1 (Make method )
A. Component (1) The mixed lysis of - (4) is carried out.
B. Add component (9) - (11) to A, and mix uniformly.
C. Component (5) - (8) is melted uniformly and it keeps at 70 degrees C.
D. Add C to B and emulsify uniformly.
E. After cooling D, add component (12) - (15) and obtain liquid foundation.
[0056] The liquid foundation of an example 7 was what prevents the melanism and silverfish of the skin by suntan etc. by excelling in a stability with the passage of time, and applying to the skin.
[0057] Fruit ** Example 8 **s ** ** Fat : The gel salve was prepared by prescription and the following process which are shown below.
(Method [ of place ] ) (%)
(1) A carboxyvinyl polymer 1.0 (2) triethanolamines 1.0 (3) ethyl alcohol 20.0(4) helicopter ********** Indie cam extract *1 10.0 (5) purified waters Residue *1 What [0058] was manufactured

in the example 1 (Make method )
A. A component (1) and (3) The mixed lysis of - (5) is carried out.
B. A component (2) is added to A, mix, make it uniform, and obtain the gel salve.
[0059] the gel salve of an example 8 being excellent in a stability with the passage of time, and applying to the skin -- the texture of the skin -- preparing -- "of the skin -- while it was somber and " was prevented, it was what is used as the beautiful skin which can also improve pigmentations, such as a silverfish, and has a transparent feeling
[0060] Fruit ** Example Ethyl alcohol of 50% of water concentration (v/v) 100ml was added to 10g of the dry matters of each vegetation of 9 vegetable extract (active oxygen deletion agent) given in the manufacture:table 5, after performing an extraction for three days at a room temperature, it filtered, and each vegetable extract was obtained, and it considered as the active oxygen deletion agent of this invention. The xeransis solid content of these extracts and the after-mentioned super oxide deletion effect measurement test result were united with Table 5, and were indicated.
[0061]
[Table 5]

| 活性酸素消去剤 | | 乾燥固形分 (%) | スーパーオキサイド消去率 (%) 試料希釈率 (%) | | |
|---|---|---|---|---|---|
| | | | 0.5 | 1 | 2 |
| 本発明品 | アルトカルパス ラクーチャ抽出物＊1 | 4.1 | 31.2 | 79.0 | 94.3 |
| | ストレプラス アスパー抽出物＊1 | 1.2 | 46.0 | 87.9 | 95.6 |
| | ブルメア パルサミフェラ抽出物＊1 | 2.0 | 25.1 | 50.3 | 81.3 |
| | ブルシェア インディカ抽出物＊1 | 3.4 | 40.2 | 78.0 | 91.3 |
| | コクシニア インディカ抽出物＊1 | 1.8 | 16.2 | 51.2 | 86.2 |
| | コクシニア グランディス抽出物＊1 | 1.8 | 17.4 | 46.3 | 90.2 |
| | グロリオサ スペルバ抽出物＊1 | 2.2 | 42.0 | 78.0 | 94.6 |
| | ヘリオトロピウム インディカム抽出物＊1 | 2.7 | 39.3 | 67.9 | 89.6 |
| | ハイビスカス サブダリファ抽出物＊1 | 3.7 | 29.2 | 53.2 | 83.4 |
| | マンメア シアメンシス抽出物＊1 | 2.3 | 34.5 | 61.2 | 90.6 |
| | ミケリア シャンパカ抽出物＊1 | 3.3 | 25.4 | 57.0 | 85.3 |
| | ムラヤ パニクラタ抽出物＊1 | 2.8 | 27.1 | 45.1 | 81.3 |
| | ミトラギナ スペシオサ抽出物＊1 | 2.3 | 41.0 | 74.3 | 97.7 |
| | モリンダ シトリフォリア抽出物＊1 | 4.8 | 19.0 | 52.9 | 84.1 |
| | ランディア シアメンシス抽出物＊1 | 2.1 | 33.2 | 57.1 | 83.6 |
| | ソラヌム トリロサツム抽出物＊1 | 2.9 | 24.6 | 56.8 | 93.0 |
| | ジオスピロス モリス抽出物＊1 | 1.6 | 30.9 | 46.5 | 82.2 |
| | エレファントプス スクバ抽出物＊1 | 0.2 | 35.9 | 57.3 | 90.5 |
| | メシュ フェレア抽出物＊1 | 0.2 | 28.6 | 51.0 | 85.3 |
| | ミクロメルム ミヌツム抽出物＊1 | 1.4 | 42.8 | 63.3 | 82.4 |
| | オルソシフォン スタミネウス抽出物＊1 | 0.8 | 33.8 | 62.1 | 87.0 |
| | ソラヌム ピオラセウム抽出物＊1 | 1.2 | 31.0 | 46.5 | 89.8 |
| 比較品 | オウゴン抽出物＊2 | 1.4 | 21.8 | 40.9 | 75.0 |

＊1 実施例9で製造したもの
＊2 一丸ファルコス社製

[0062] Trial ** Example Each active oxygen deletion agent given in the 3 super oxide deletion effect measurement examination:table 5 was made into the sample, and super oxide deletion activity was measured with the following measuring method.
[0063] (** a law method [ of ] method ) 0.05M 3.0mMs which are substrate solutions at 2.4ml (pH10.2) of the sodium-carbonate buffer solutions Xanthin (it melts in 0.05M sodium-carbonate buffer solution) 0.1ml, 3.0mM EDTA 0.1ml, 0.15% (w/v) bovine serum albumin 0.1ml, nitro blue terrorism ********** Each subject sample diluted with 0.1ml and the purified water 0.1ml was mixed and it was left for 10 minutes at 25 degrees C.
[0064] Subsequently, after having added 0.1ml (it dilutes with a purified water to about 0.04 unitses/ml) of the xanthine-oxidase solutions which are an enzyme solution, having started the reaction and

incubating for 20 minutes at 25 degrees C, 6mM CaCl2 0.1ml was added, the reaction was stopped, and the absorbance (A) in 560nm was measured.
[0065] 6mM CaCl2 0.1ml is added to the absorbance (B) of the sample which added the purified water to the contrast instead of the subject sample, and the blank of each sample, and it is a xanthine oxidase after a reaction halt. The absorbance (C) of the sample which added 0.1ml was measured, and the rate of a super oxide deletion was computed from the following formula. In accordance with the result, it is shown in Table 5.
[0066]
[Equation 3]

$$\text{スパーオキサイド消去率（%）} = \frac{B-(A-C)}{B} \times 100$$

The absorbance by the anenzymia reaction of an absorbance C; sample by the enzyme reaction of an absorbance B; contrast by the enzyme reaction of A; sample [0067] (Join ** ) The active oxygen deletion agent of this invention showed high super oxide deletion activity so that clearly from the result of the above-mentioned table 5.
[0068] Trial ** Example About each active oxygen deletion agent of this invention shown in the measurement examination:table 6 of the 4 singlet-oxygen deletion effect, singlet-oxygen deletion ability was measured using the singlet-oxygen measuring device which these people developed (refer to Japanese Patent Application No. 340377 [ five to ]). The singlet-oxygen deletion effect when generating a singlet oxygen adds a subject sample as a singlet-oxygen generation source using the rose bengal which is known was measured.
[0069] (** a law method [ of ] method ) Rose-bengal 10microM (50% ethanol solution) was circulated at the rate of 20ml/min in the flow cell, and 200mW of 514.5nm Ar laser light was irradiated at this cell. The photogenesis intensity of 1268nm taken out when the singlet oxygen generated from the excited rose bengal returns to a ground state was measured (I0).
[0070] Subsequently, laser was irradiated like 50% ethanol solution which mixed a rose bengal and 5% of subject samples, the photogenesis intensity of 1268nm was measured, and the rate of a singlet-oxygen deletion was computed from the (Is) following formula. The result is shown in Table 6.
[0071]
[Equation 4]

$$\text{一重項酸素消去率（%）} = \frac{I_0 - I_S}{I_0} \times 100$$

[0072] (Join ** )
[Table 6]

| 試料名 | | 一重項酸素消去率（%） |
|---|---|---|
| 本発明活性酸素消去剤 | アルトカルパス ラクーチャ抽出物＊1 | 85.2 |
| | ストレプラス アスパー抽出物＊1 | 43.8 |
| | ブルメア パルサミフェラ抽出物＊1 | 52.8 |
| | ブルシェア インディカ抽出物＊1 | 61.1 |
| | コクシニア インディカ抽出物＊1 | 47.9 |
| | コクシニア グランディス抽出物＊1 | 44.0 |
| | グロリオサ スペルバ抽出物＊1 | 39.2 |
| | ヘリオトロピウム インディカム抽出物＊1 | 55.8 |
| | ハイビスカス サブダリファ抽出物＊1 | 83.0 |
| | マンメア シアメンシス抽出物＊1 | 77.3 |
| | ミケリア シャンパカ抽出物＊1 | 31.5 |
| | ムラヤ パニクラタ抽出物＊1 | 41.3 |
| | ミトラギナ スペシオサ抽出物＊1 | 66.8 |
| | モリンダ シトリフォリア抽出物＊1 | 36.6 |
| | ランディア シアメンシス抽出物＊1 | 50.1 |
| | ソラヌム トリロサツム抽出物＊1 | 47.8 |
| | ジオスピロス モリス抽出物＊1 | 37.2 |
| | エレファントプス スクバ抽出物＊1 | 30.0 |
| | メシュ フェレア抽出物＊1 | 42.1 |
| | ミクロメルム ミヌツム抽出物＊1 | 32.3 |
| | オルソシフォン スタミネウス抽出物＊1 | 38.4 |
| | ソラヌム ピオラセウム抽出物＊1 | 55.0 |
| 比較品 | オウゴン抽出物＊2 | 29.8 |

＊1　実施例9で製造したもの
＊2　一丸ファルコス社製

[0073] The active oxygen deletion agent of this invention showed high singlet-oxygen deletion ability so that clearly from the result of Table 6.
[0074] Fruit ** Example 10 **s ** - ** : The cream was prepared by the composition and the following process which are shown in Table 7, and the beautiful skin effect and the aging prevention effect were investigated. The result is shown in Table 8.
[0075] (Group ** )
[Table 7]

| 成分（%） | | 本発明品 | 比較品 | |
|---|---|---|---|---|
| | | 1～22 | 1 | 2 |
| （1） | ミツロウ | 6.0 | 6.0 | 6.0 |
| （2） | セタノール | 5.0 | 5.0 | 5.0 |
| （3） | 還元ラノリン | 5.0 | 5.0 | 5.0 |
| （4） | スクワラン | 30.0 | 30.0 | 30.0 |
| （5） | 親油型モノステアリン酸グリセリル | 4.0 | 4.0 | 4.0 |
| （6） | ポリオキシエチレンソルビタンモノラウレート（20E.O） | 2.0 | 2.0 | 2.0 |
| （7） | 本発明活性酸素消去剤＊1 | 5.0 | — | — |
| （8） | オウゴン抽出物＊2 | — | 5.0 | — |
| （9） | 防腐剤 | 適量 | 適量 | 適量 |
| （10） | 香料 | 適量 | 適量 | 適量 |
| （11） | 精製水 | 残量 | 残量 | 残量 |

＊1　実施例9で製造したもの
＊2　一丸ファルコス社製

[0076] (Make method )
A. Component (1) - (6) and (9) are mixed and heated, and it keeps at 70 degrees C.
B. Heat a component (11) and keep at 70 degrees C.
C. Add B to A, and cool after mixing.

D. Add a component (7), (8), and (10) to C, and obtain a cream.
[0077] (Method [ of trial ** ] method ) 15 28-55 year-old [ per subject cream ] female was used as the panel, and the optimum dose of a subject cream was applied to the face after washing its face over 2 times, a morning and night, and 12 weeks every day. The following criteria estimated **** by application, and the aging prevention effect.
[0078] (Criticism ** machine ** )
beauty The skin Effect ** : <Evaluation> Inside of < ** > ** Effect ** of the skin -- finishing -- it stopped being conspicuous
A little effective The skin is somber and it is **********.
Nothing Effect He has a use front and no change.
[0079] The aging prevention effect : <evaluation> Inside of < ** > ** Effect The beam of the skin and luster have been improved.
A little effective The beam of the skin and luster have been improved a little.
Nothing Effect He has a use front and no change.
[0080] (Join ** )
[Table 8]

| クリーム | 活性酸素消去成分 | 美肌効果 | | | 老化防止効果 | | |
|---|---|---|---|---|---|---|---|
| | | 有効 | やや有効 | 無効 | 有効 | やや有効 | 無効 |
| 本発明品1 | アルトカルパス ラクーチャ抽出物＊1 | 10 | 3 | 2 | 9 | 3 | 3 |
| 本発明品2 | ストレプラス アスパー抽出物＊1 | 11 | 2 | 2 | 12 | 2 | 1 |
| 本発明品3 | ブルメア バルサミフェラ抽出物＊1 | 9 | 4 | 2 | 10 | 2 | 3 |
| 本発明品4 | ブルシェア インディカ抽出物＊1 | 14 | 1 | 0 | 13 | 0 | 2 |
| 本発明品5 | コクシニア インディカ抽出物＊1 | 11 | 3 | 1 | 12 | 3 | 0 |
| 本発明品6 | コクシニア グランディス抽出物＊1 | 11 | 2 | 2 | 11 | 4 | 0 |
| 本発明品7 | グロリオサ スペルバ抽出物＊1 | 10 | 2 | 3 | 9 | 4 | 2 |
| 本発明品8 | ヘリオトロピウム インディカム抽出物＊1 | 14 | 1 | 0 | 13 | 2 | 0 |
| 本発明品9 | ハイビスカス サブダリファ抽出物＊1 | 12 | 2 | 1 | 11 | 3 | 1 |
| 本発明品10 | マンメア シアメンシス抽出物＊1 | 10 | 4 | 1 | 12 | 2 | 1 |
| 本発明品11 | ミケリア シャンパカ抽出物＊1 | 9 | 3 | 3 | 10 | 2 | 3 |
| 本発明品12 | ムラヤ パニクラタ抽出物＊1 | 8 | 7 | 0 | 9 | 3 | 3 |
| 本発明品13 | ミトラギナ スペシオサ抽出物＊1 | 11 | 2 | 2 | 10 | 3 | 2 |
| 本発明品14 | モリンダ シトリフォリア抽出物＊1 | 10 | 3 | 2 | 10 | 3 | 2 |
| 本発明品15 | ランディア シアメンシス抽出物＊1 | 9 | 3 | 3 | 11 | 3 | 1 |
| 本発明品16 | ソラヌム トリロサツム抽出物＊1 | 9 | 4 | 2 | 11 | 4 | 0 |
| 本発明品17 | ジオスピロス モリス抽出物＊1 | 10 | 3 | 2 | 10 | 3 | 2 |
| 本発明品18 | エレファントプス スクパ抽出物＊1 | 12 | 0 | 3 | 13 | 2 | 0 |
| 本発明品19 | メシュ フェレア抽出物＊1 | 11 | 1 | 3 | 12 | 2 | 1 |
| 本発明品20 | ミクロメルム ミヌツム抽出物＊1 | 12 | 2 | 1 | 13 | 2 | 0 |
| 本発明品21 | オルソシフォン スタミネウス抽出物＊1 | 13 | 0 | 2 | 14 | 1 | 0 |
| 本発明品22 | ソラヌム ビオラセウム抽出物＊1 | 10 | 5 | 0 | 12 | 3 | 0 |
| 比較品1 | オウゴン抽出物＊2 | 4 | 6 | 5 | 5 | 4 | 6 |
| 比較品2 | 添加しない | 0 | 3 | 12 | 0 | 4 | 11 |

＊1 実施例9で製造したもの
＊2 一丸ファルコス社製

[0081] applying this invention article to the skin, as shown in the result of Table 8 -- "of the skin -- it was somber, and while it has improved and considering as the beautiful skin, it became clear prevention of occurrence, such as ", and for the beam of the skin and luster to be improved and to prevent aging of the skin Moreover, the shape of a dermopathy with safety top problems, such as the itching and a rash, was not observed.
[0082] Fruit ** Example 11-izing ** Water : Face toilet was prepared by prescription and the following process which are shown below.
(Method [ of place ] ) (%)

(1) A glycerol 5.0 (2) 1, 3-butylene glycol 6.5(3) polyoxyethylene (20E.O.) sorbitan 1.2 Mono-lauric-acid ester (4) ethyl alcohol 5.0(5) ****** blas ******** extract *1 20.0 (6) **********s ********** extract *1 20.0(7) antiseptics optimum-dose (8) perfume Optimum-dose (9) purified water Residue *1 What [0083] was manufactured in the example 9 (Make method )
A. Carry out the mixed lysis of a component (3), (4), (7), and (8).
B. Carry out the mixed lysis of a component (1), (2), (5), (6), and (9).
C. Mix A and B, make it uniform and obtain face toilet.
[0084] Fruit ** Example 12 milk Liquid : The milky lotion was prepared by prescription and the following process which are shown below.
(Method [ of place ] ) (%)
(1) Polyoxyethylene (10E.O.) sorbitan 1.0 Monostearate (2) polyoxyethylene (60E.O.) sorbitan 0.5 Tetrapod oleate (3) glyceryl monostearate 1.0 (4) stearin acid 0.5 (5) behenyl alcohols 0.5 (6) squalane 8.0 (7) antiseptics Optimum dose (8) **********s ********** extract *1 0.1 (9) ********s ********** extract *1 0.1 (10) ********s Pretty paca extract *1 0.1 (11) carboxyvinyl polymers 0.1 (12) sodium hydroxides 0.05 (13) ethyl alcohol 5.0 (14) purified waters Residue (15) perfume Optimum dose *1 What [0085] was manufactured in the example 9 (Make method )
A. Component (11) Heating mixture of - (14) is carried out, and it keeps at 70 degrees C.
B. Component (1) Heating mixture of - (7) is carried out, and it keeps at 70 degrees C.
C. Add A to B, mix and emulsify uniformly.
D. After [ cooling ] (8) - (10) and (15) add C, mix uniformly, and obtain a milky lotion. **.
[0086] Fruit ** Example 13 **s ** - ** : The cream was prepared by prescription and the following process which are shown below.
(Method [ of place ] ) (%)
(1) Polyoxyethylene (40E.O.) monostearate 2.0 (2) glycerol monostearate (self-emulsification type) 5.0 (3) stearin acid 5.0 (4) behenyl alcohols 0.5 (5) squalane 15.0 (6) isooctane acid cetyl 5.0 (7) antiseptics Optimum dose (8) 1, 3-butylene glycol 5.0 (9) grotesque ****** ******** extract *1 1.0 (10) micro ****** ******** extract *1

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